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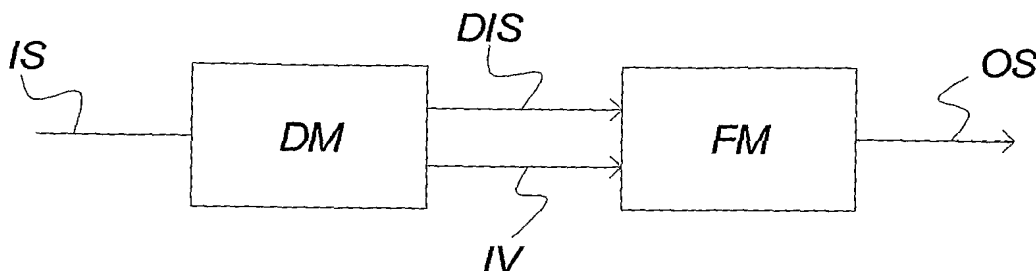
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(54) Title: FAST FILTERING MEANS AND FILTERING AND DECIMATION METHODS



(57) Abstract: The invention relates to a hardware implemented filtering method comprising the steps of establishing a representation DIS of the derivative of at least a part of a timequantized input signal IS, and establishing at least one sample of a time- and amplitude-quantized output signal OS by performing filtering on the basis of at least a part of a filter representation IFC1, IFC2, IFC3 and said representation DIS of the derivative of at least a part of said input signal IS. The invention further relates to a hardware implemented decimation method for decimating a time-quantized input signal IS comprising the steps of - dividing said time-quantized input signal IS into intervals, for each of said intervals establishing a sample of a time- and amplitude-quantized output signal OS according to the above mentioned filtering method. The invention further relates to a fast filtering means FFM implementing the abovementioned methods.

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